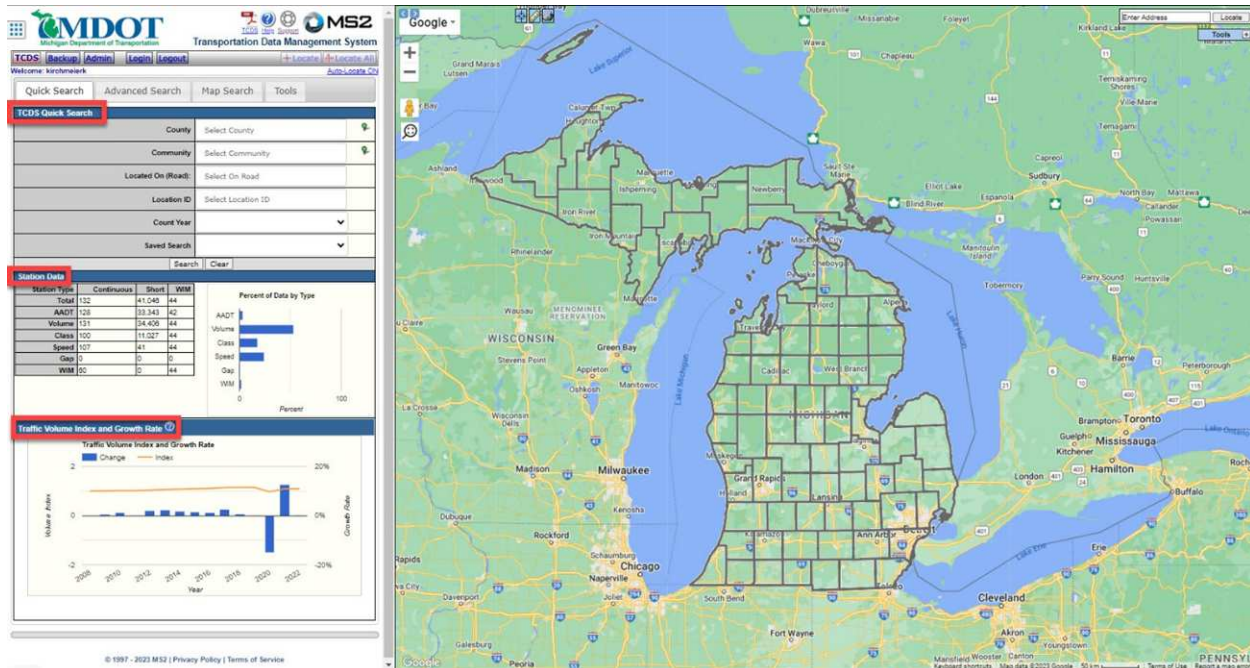


Basics of Navigating MDOT's Transportation Data Management System (TDMS) Website

When first opening the TDMS website, the page is divided into two sections: a Search, Station Data and Traffic Volume Index section on the left side of the page and a map section on the right. The Search, Station Data and Traffic Volume Index section of the Home page contains the Quick Search tab, which is one of the primary ways to search for traffic data.



Quick Search – Allows users to identify traffic count stations by searching according to a select set of common search criteria. Input the desired information by which to search, with the simplest option(s) being to search by County, Community and/or Located On.

1. After using Quick Search, a new page will load showing a list of stations with a breakdown of traffic data on the left side of the page (use the arrows next to the Record number to page through the different stations if multiple records were returned). If a search does not return any stations, pressing the green Home button at the top left of the page will go back to the Quick Search tab.
2. ***IMPORTANT*** When looking at station data, make note that in this system, that LRS (Linear Reference System) numbers are used instead of the [PR \(Physical Road/Reference\) numbers](#).
3. The map on the right-hand side of the webpage visualizes the location of traffic count stations which contain the traffic data.
4. In the upper right-hand corner of the map is the Enter Address bar and an expandable Tools bar. Click anywhere on the Tools bar and a dropdown menu will appear with tool options: General, Google and TCDS. These options have their own drop-down menus once clicked on.
5. In the upper left-hand corner of the map is a drop-down menu that has different styles of base maps available for use and the Zoom In and Zoom Out buttons (plus and minus).
6. The map can be easily navigated by clicking and holding the left mouse button and dragging the mouse to pan across the map.

MS2 Transportation Data Management System

Home | Backup | Admin | Login | Logout | Locate | Locate All | Email This

Welcome: hschmick

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Map Scheduler | All Data | Report Center | Extra Search | Add New Maps | Map Reports | Add New Maps | Map Reports

Record: 1 of 41777 | Go to Record | Map | Loc | Print

Location ID: 1124241 | LRS ID: 1124241 | MPO ID: 1124241 | LRS Line PL: 1124241

SP Group: Michigan State | Route Type: 1124241

AF Group: Michigan State | Route: 1124241

GP Group: Michigan State | Active: Yes

Class Dist Grp: 1124241 | Category: Primary

Seas Class Grp: 1124241

QC Group: Default

Profit Class: 1124241

Located On: E Black River Rd

Loc On Alias: Black River

EAST OF: E Huron Dr

More Data | Edit | Delete

STATION DATA

Directions: 1124241 | 1124241 | 1124241

AADT

Year	AADT	CHV-30	K %	D %	PA	BC	Sp
2022	441 ²	10	436 (98%)	11 (2%)	Grown from 2021		
2021	459	46	433 (94%)	26 (6%)			
2020	206 ²	12	194 (94%)	12 (6%)	Grown from 2019		
2019	236 ²	12	227 (96%)	9 (4%)			

1124241 | Edit Multiple

Travel Demand Model

Model	Model	AM	PM	MD	PM	NT
Year	AADT	PHV	PV	PHV	PV	PHV
2022	441 ²	10	436 (98%)	11 (2%)	Grown from 2021	
2021	459	46	433 (94%)	26 (6%)		
2020	206 ²	12	194 (94%)	12 (6%)	Grown from 2019	
2019	236 ²	12	227 (96%)	9 (4%)		

VOLUME TREND

Date	Vol	Total	Status
Tue 7/13/2021	15	458	✓
Mon 7/12/2021	15	479	✓

VOLUME TREND

Year	Annual Growth
2022	-3%
2021	123%
2020	-13%

Map navigation controls: Google, +, -, 5, 4, 3, 2, 1

Advanced Search – Allows users to search for traffic count stations using the full set of available search criteria

- Click on the “Advanced Search” tab which is located to the right of the Quick Search tab.
- Enter search parameters such as county, permanent station, state owned, etc. and click “Enter”.
- A record for each station within the selected parameter(s) will display and a map of the first record will appear (if Auto-Locate is on).

The screenshot shows the MDOT Transportation Data Management System (TCDS) Advanced Search interface. The header includes the MDOT logo and the MS2 logo. Below the header, there are navigation tabs: Quick Search, Advanced Search (highlighted with a red circle and the number 7), Map Search, and Tools. The Advanced Search form contains various search criteria, including Jurisdiction, County, Location ID, and State Owned. A red box highlights the search criteria section, and a red circle with the number 8 is placed over the 'Enter' button.

MDOT Michigan Department of Transportation

MS2 Transportation Data Management System

TCDS Backup Admin Login Logout + Locate + Locate All

Welcome Auto Locate OFF

Quick Search Advanced Search 7 Map Search Tools

TCDS Advanced Search

Search Reset Search Load Search Ad-Hoc Rpts

☐ Search

Jurisdiction

County

Location ID ☐ Exact ☐ Starts With ☐ Ends With ☐ Contains

Located ☐ Exact Match

Route Type

Route ☐ Exact Match

MPID

Crossroad ☐ Exact Match

LRS ID ☐ Exact ☐ Starts With ☐ Ends With ☐ Contains

LRS Location From To

HRS ☐ Not Null

ON HRS ☐ Not Null

Screening

Geocoded?

Virtual Station?

Virtual Source?

Perm Station?

WIM Station?

Mega-Site?

State Owned?

Direction

Func'l Class ☐ Null

Rural/Urban

Category ☐ Null

Station Sensor Type

Days Since Last Count Check ☐ Null

Collection Area ☐ Null

Program - Select Program - ☐ Null

Collection Group ☐ Null

To see the Count Station on the Map - Auto Locate & Locate All (Turn on Locations) - These two features automatically locate the position of a desired station(s).

1. **Auto Locate**, which can be found just above and to the right of the Tools tab on the left-hand side of the web page, can be toggled on or off by clicking it. This feature automatically takes the user to the desired station on the map after the station information is entered.
2. **Locate All**, which can be found directly above the Map Search tab on the left-hand side of the webpage, is useful to locate multiple stations and have their locations be visualized via the map. After inputting the desired stations' information, search for the stations and the Locate All feature will become available to click.

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Transportation Data Management System

Home Backup Admin Login Logout **Locate All** Email

New: Spot |
Welcome: [Name]

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List View All DIRs Report Center Save Search Load Search Build Search

Record 2 of 41422 Goto Record go Loc go

Location ID	01-0002 Edit ID	MPO ID	
Type	SPOT	HPMS ID	
On NHS	No	On HPMS	No
LRS ID	1727504	LRS Loc Pt.	3.771748
SF Group	Recreational Non State	Route Type	
AF Group	NoFactor	Route	
GF Group	Recreational Non State	Active	Yes
Class Dist Grp	NTL_5	Category	Primary
Seas Class Grp			
WIM Group			
QC Group	Default		
Fnc't'l Class	(5) Major Collector	Milepost	
Located On	S Hubbard Lake Rd		
Loc On Alias	Hubbard Lake		
SOUTH OF	M 72		

More Detail [Edit](#) [Delete](#)

Search Options that Utilize the Map

Search by Address

This allows you to search for a location using a specific address. To do this:

1. Enter the address of the location in the Enter Address bar you wish to go to and click “Locate”.
2. The map will take you to the specified address.
3. Alternatively, the name of a building or specific name of a location can be entered into the search bar as well.

The screenshot displays the MDOT Transportation Data Management System interface. On the left, the 'Record' table shows details for a location with ID 22-0301. The 'STATION DATA' section includes a table for AADT (Annual Average Daily Traffic) by year and direction. On the right, a Google Map shows the location of the station, marked with a red '2' and a green arrow. A red '1' points to the 'Locate' button in the top right corner of the map interface.

Record Table:

Record	1	of 8	Goto Record	Loc	00
Location ID	22-0301				
Type	SPOT				
On NHS	No				
LRS ID	0000401				
SF Group	Urban Non State				
AF Group	Not actor				
GF Group	Urban Non State				
Class Dist Grp	NIL 5				
Seas Class Grp					
WIM Group					
QC Group	Default				
Prct1 Class	Major Collector				
Located On	ALLEGAN BLVD				
Loc On Alias	Allegan				
Milepost					

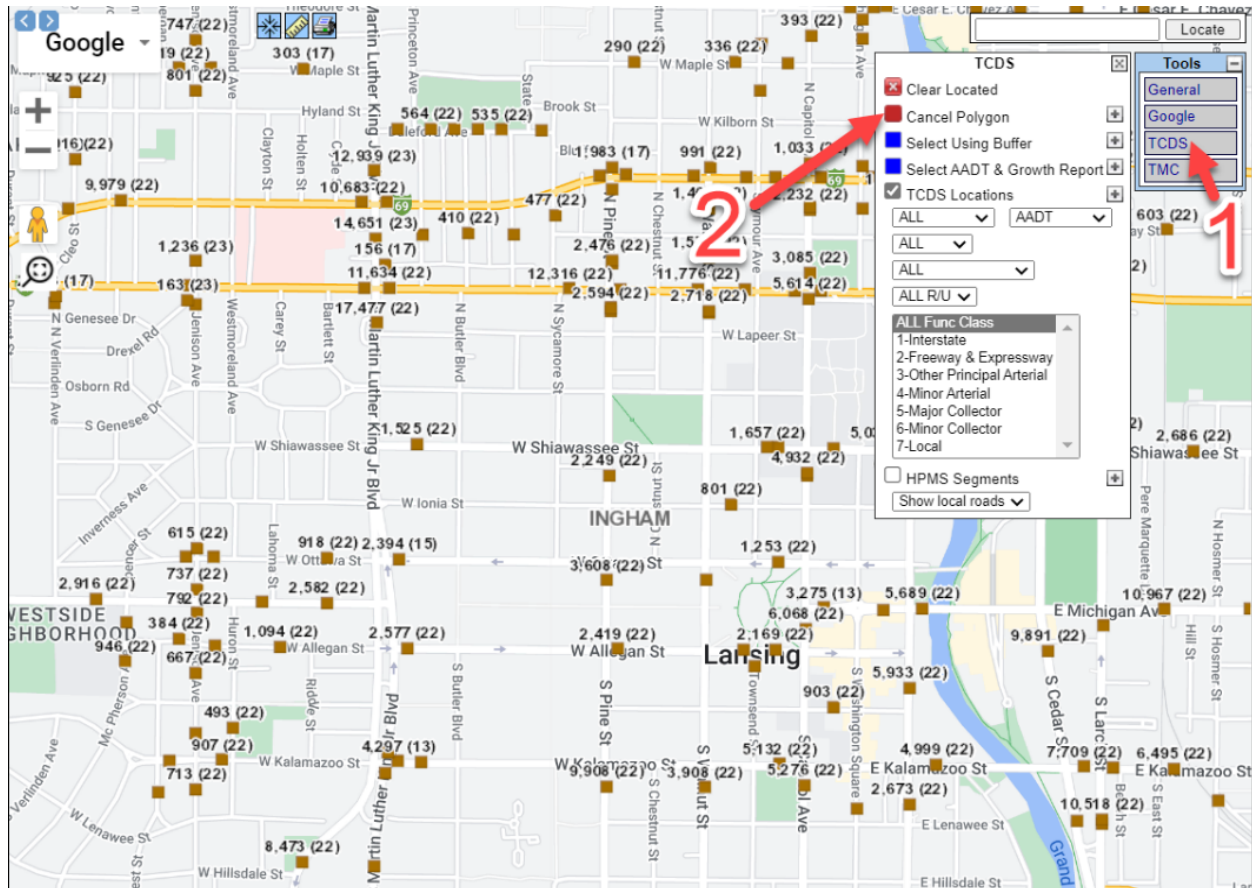
STATION DATA

Year	AADT	DHV-30	K %	D %	PA	BC	Src
2010							
2011							
2012							
2013							
2014							
2015							
2016							
2017							
2018							
2019							
2020							

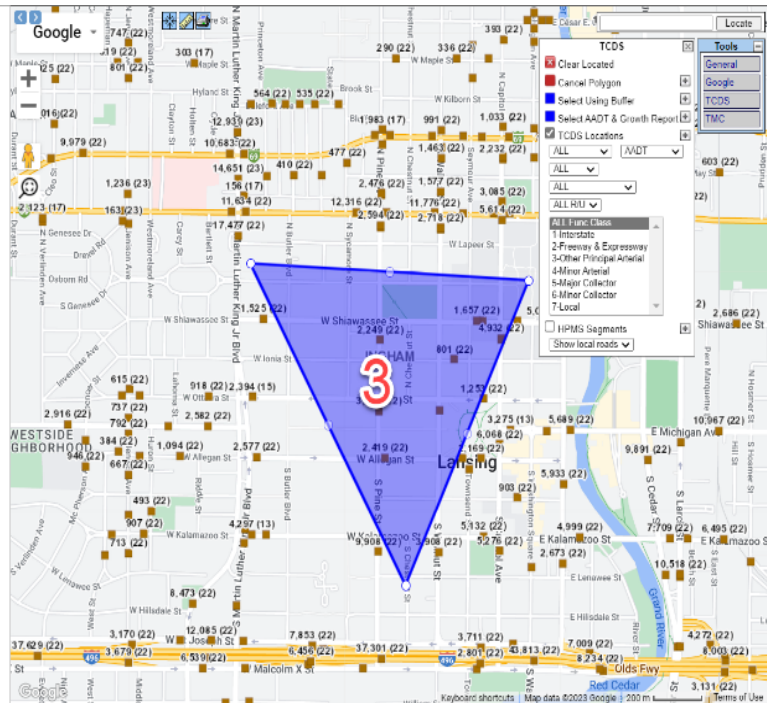
Search by Polygon


This allows you to select an area on the map to filter count stations. To do this:

1. Click on the "TCDS" Tools option and another menu will appear to the left of the Tools bar
2. Click the "Search by Polygon" option (if more explanation on how to draw with the Polygon tool is required, click the gray + icon next to "Search by Polygon" and a popup will appear giving a detailed explanation)






-
- MDOT**
Michigan Department of Transportation
- TDMS** **MS2**
- Transportation Data Management System**
- Build Search**
- Enter search criteria below. Then click the "Search" button.
- Min: 2 Max: 4
Enter "Min" and/or "Max" for number range
- | Lanes | Min | Max |
|---------------------|-----|-----|
| Select Search Field | | |
| Select Search Field | | |
| Select Search Field | | |
| Select Search Field | | |
| Select Search Field | | |
| Select Search Field | | |
| Select Search Field | | |
| Select Search Field | | |
| Select Search Field | | |
| Select Search Field | | |
| Select Search Field | | |
| Select Search Field | | |
| Select Search Field | | |
| Select Search Field | | |
- ☐ Search Master Locations Only
- Search** **Home** **Reset** **Admin**
- You have created a polygon or circle to search by and can 'Search' now or further refine your results by selecting criteria above and then doing a search.
- Saved Searches**
- | Search Name | Data Fields | Action |
|-------------|-------------|--------|
| | | |



- 

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MS2
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[Home](#)
[Backup](#)
[Admin](#)
[Login](#)
[Logout](#)
[Locate](#)
[Locate All](#)
[Email This](#)

New: Spot |

Welcome: XXXXXXXXXX Auto-Login OFF

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[List View](#)
[All DIRs](#)

[Report Center](#)
[Save Search](#)

[Add/Loc Rights](#)
[Graps/Print](#)

[Load Search](#)
[Build Search](#)

[Record](#)
[Add](#)
[Edit](#)
[1](#)
[Play](#)

of 3

[Goto Record](#)

[93 Loc](#)

[92](#)

Location ID: 33-3041 Edit	MPO ID:	MHS ID: 6.1.15.923	
Type: SPOI	On HWS: Yes	On HWS: Yes	
Location ID: 0334007	Route Type: Urban	Route Type: Conn	
AF Group: South	Route: 496	Route: 496	
GF Group: Urban	Active: Yes	Active: Yes	
Class Dist: Grp: 3_496_202	Category: Primary		
<div style="display: flex; justify-content: space-between;"> <div> Seas Cles Grp </div> <div> WM Group </div> <div> QC Group: Default </div> <div> Funct Class: (3) Other Principal Arterial </div> <div> Located On: CONN-496 ALLEGAN </div> <div> Loc On Alias: Capital Loop </div> </div>			
EAST OF PINE ST			

More Detail [▶](#)

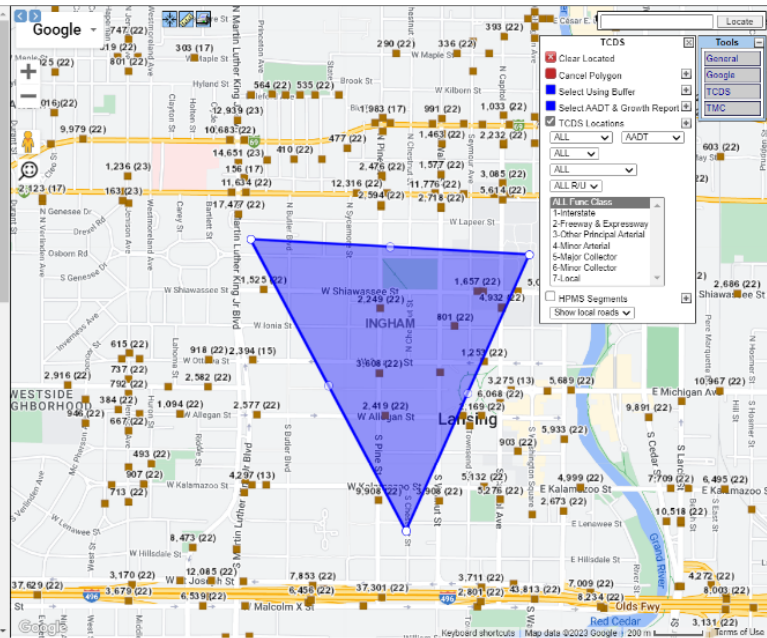
[Edit](#)
[Delete](#)

STATION DATA

[Add](#)

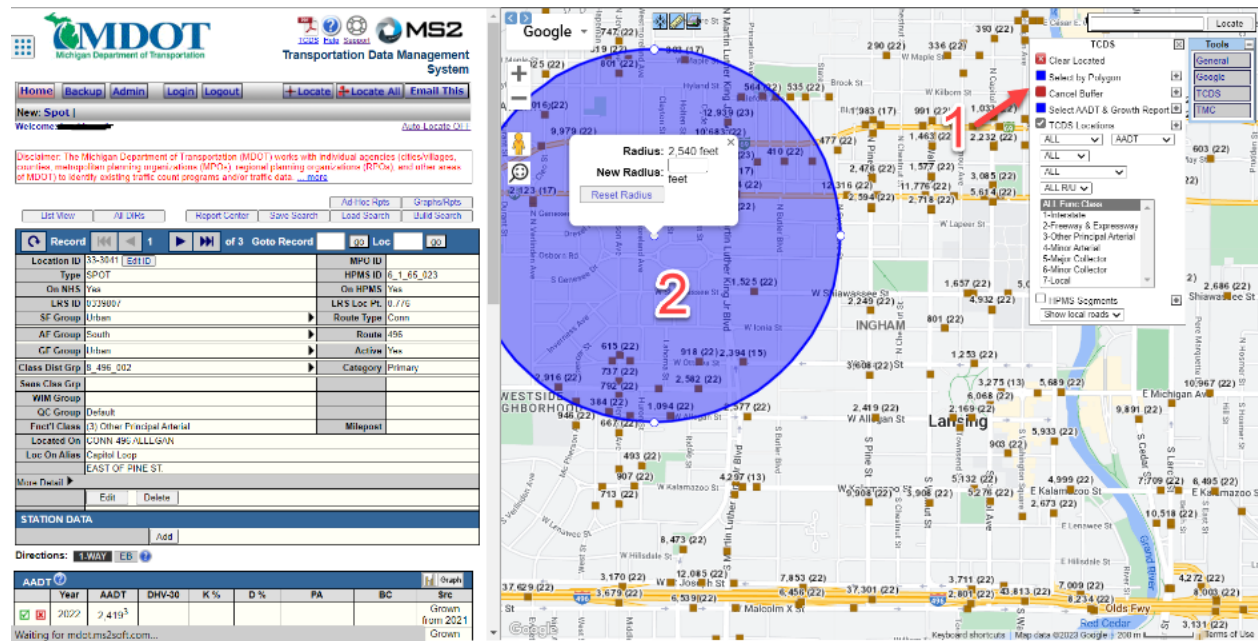
Directions: 1.WAY [ES](#) [P](#)

AADD	Year	AADD	DHW-30	K %	D %	PA	BC	Graph
<input checked="" type="checkbox"/>	2022	2,419.3						Graph
<input checked="" type="checkbox"/>	2014	2,990.3	2.6	100	3.378 (DBS)	1.06 (ANL)		Grown from 2021

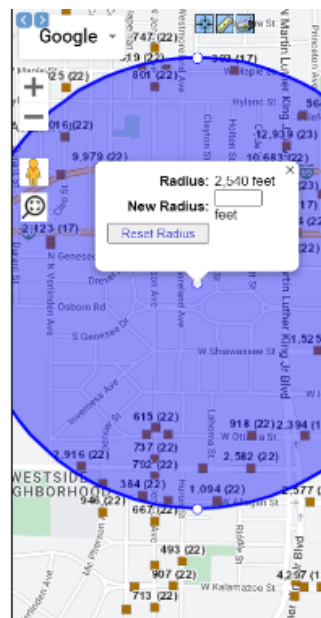


This feature filters count stations similar to the polygon, but you select one point to make the area instead of drawing a shape with several points placed. To do this:

1. Click on the “TCDS” option and another menu will appear to the left of the Tools bar
2. Click the “Search by Using Buffer” option (if more explanation on how to draw with the Buffer tool is required, click the gray + icon next to “Search by Using Buffer” and a popup will appear giving a detailed explanation) and draw the buffer



3. Enter the desired search criteria into the “Search Fields” and click “Search” (OPTIONAL)

[illegible]

4. A list of stations falling into the desired Buffer area (and search criteria if used) will be returned

The screenshot shows the MDT Transportation Data Management System interface. On the left, a station list is displayed with columns for Location ID, Type, On NHS, LRS ID, SF Group, AF Group, GF Group, Class Dist Grp, Sess Class Grp, WM Group, QC Group, Freq1 Class, Located On, and Loc On Alias. A red '4' is overlaid on the list. On the right, a map shows a blue buffer area around a specific location, with a 'New Radius' dialog box indicating a radius of 2,540 feet.

Turn on TCDS Locations

This filters stations based on options selected in the TCDS tools box. To do this:

1. Click on the "TCDS" option and another menu will appear to the left of the Tools bar.
2. Click the checkbox next to "TCDS Locations" and filter the locations shown via the options in the boxes underneath if necessary.

The screenshot shows the MDT Transportation Data Management System interface with the TCDS tools box open. The tools box includes options for 'Clear Located', 'Select by Polygon', 'Select Using Buffer', and 'TCDS Locations'. The 'TCDS Locations' checkbox is checked, and a list of filtered locations is shown. A red '1' is overlaid on the tools box. On the right, a map shows the filtered locations in red, with a red '2' overlaid on the map.